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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/573,067	03/23/2006	Takayuki Shimatsu	59494.00034	6959
32294 7590 05/29/2007		EXAMINER		
SQUIRE, SANDERS & DEMPSEY L.L.P. 14TH FLOOR			MCCALL, ERIC SCOTT	
8000 TOWERS CRESCENT TYSONS CORNER, VA 22182			ART UNIT	PAPER NUMBER
			2855	
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			05/29/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No. Applicant(s)					
	10/573,067	SHIMATSU, TAKAYUKI				
Office Action Summary	Examiner	Art Unit				
	Eric S. McCall	2855				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status		•				
1) Responsive to communication(s) filed on 2a) This action is FINAL . 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4) Claim(s) 1-4 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) Claim(s) is/are allowed. 6) Claim(s) 1-4 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or Application Papers 9) The specification is objected to by the Examinet 10) The drawing(s) filed on 23 March 2006 is/are: a Applicant may not request that any objection to the or	r election requirement. r. a) accepted or b) objected to drawing(s) be held in abeyance. See	e 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date March 23, 2006.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate				

INTAKE DEVICE FOR INTERNAL COMBUSTION ENGINE AND METHOD OF MEASURING INTAKE AIR AMOUNT

FIRST OFFICE ACTION

DRAWINGS

The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the reference character "2d" which is not mentioned in the description.

Corrected drawing sheets in compliance with 37 CFR 1.121(d), or amendment to the specification to add the reference character(s) in the description in compliance with 37 CFR 1.121(b) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the Examiner, the Applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

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CLAIMS

Objections

Claim 4 is objected to because the phrase "the restriction valve" in line 4 lacks antecedent basis.

35 U.S.C. § 101

35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claim 4 is rejected under 35 U.S.C. 101 because the claimed invention is directed to a method which does not produce a useful, concrete, and tangible result. Therefore, the claim is directed towards non-statutory subject matter.

35 U.S.C. § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are

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such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kato et al. (2004/0003659).

With respect to independent claims 1 and 4, Kato et al. set forth an air intake device, and a corresponding measuring method, of an internal combustion engine, comprising:

a restriction valve (ie. a throttle valve) inherently provided in an air intake path of the internal combustion engine; and an air flow rate sensor, provided in the air intake path, for measuring the flow amount of air suctioned into the air intake path (see claim 1); wherein

the air flow rate sensor comprises an air flow path and a sensor element disposed in the air flow path, and is disposed so that the axis of the air flow path is inclined with respect to the axis of the air intake path (Fig. 1).

Kato et al. fail to set forth the location of the air flow rate sensor with respect to the restriction valve and thus fail to teach the air flow rate sensor disposed on the downstream side of the restriction valve as claimed.

Nonetheless, it would have been obvious to one having ordinary skill in the art armed with said teaching to place the air flow rate sensor of Kato et al. on the downstream side of a restriction valve, ie. a throttle valve, as claimed.

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The motivation being to accurately measure the rate of air flow entering the engine since the air flow rate sensor would be placed after the restriction valve.

With respect to claim 2, said claim reads on the structure and operation of a common throttle valve.

With respect to claim 3, Kato et al. suggest the claimed subject matter thereof (Fig. 1).

CITED DOCUMENTS

The Applicant's attention is directed to the enclosed "PTO-892" form for the prior art made of record at the time of this office action.

CONTACT INFORMATION

Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Eric S. McCall whose telephone number is (571) 272-2183.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Eric S. McCall Primary Examiner Art Unit 2855 May 22, 2007